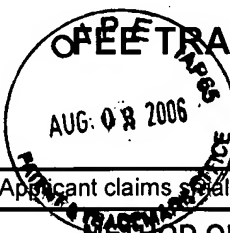


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Effective on 12/08/04  <div style="text-align: center;"> <b>OFFICE TRANSMITTAL SHEET</b>  <b>(FY 2006)</b>   </div>		<b>Complete if Known</b>																																																																																																									
		Application No.	10/660,844																																																																																																								
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		First Inventor	Joseph M. Jeddeloh																																																																																																								
		Group Art Unit	2138																																																																																																								
		Examiner Name	Saqib Javaid Siddiqui																																																																																																								
<input type="checkbox"/> Applicant claims small entity status (see 37 C.F.R. 1.27)		Atty. Docket Number	501321.01																																																																																																								
<b>METHOD OF PAYMENT (Check One)</b>		<b>FEE CALCULATION (Continued)</b>																																																																																																									
<input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fee required under 37 C.F.R. §§ 1.16 and 1.17 and 1.136(a)(3) and credit any over payments to Deposit Account No. <b>50-1266</b> ; Deposit Account Name: <b>DORSEY &amp; WHITNEY LLP</b> .  <input type="checkbox"/> Check Enclosed.		<div style="text-align: center;"> <b>3. ADDITIONAL FEES</b> </div> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;">Large Entity Fee</th> <th style="width:10%;">Small Entity Fee</th> <th style="width:60%;">Fee Description</th> <th style="width:20%;">Fee paid</th> </tr> </thead> <tbody> <tr> <td>50</td> <td>25</td> <td>Surcharge - late provisional filing fee or cover sheet</td> <td>\$</td> </tr> <tr> <td>130</td> <td>65</td> <td>Surcharge - Late nonprovisional filing fee or oath</td> <td>\$</td> </tr> <tr> <td>180</td> <td>180</td> <td>Submission of IDS</td> <td>\$180</td> </tr> <tr> <td>40</td> <td>40</td> <td>Recording each patent assignment per property (times number of properties)</td> <td>\$</td> </tr> <tr> <td>120</td> <td>60</td> <td>Extension for reply within first month</td> <td>\$</td> </tr> <tr> <td>450</td> <td>225</td> <td>Extension for reply within second month</td> <td>\$</td> </tr> <tr> <td>1,020</td> <td>510</td> <td>Extension for reply within third month</td> <td>\$</td> </tr> <tr> <td>1,590</td> <td>795</td> <td>Extension for reply within fourth month</td> <td>\$</td> </tr> <tr> <td>2,160</td> <td>1,080</td> <td>Extension for reply within fifth month</td> <td>\$</td> </tr> <tr> <td>790</td> <td>395</td> <td>Submission After Final 1.129</td> <td>\$</td> </tr> <tr> <td>500</td> <td>250</td> <td>Notice of Appeal</td> <td>\$</td> </tr> <tr> <td>500</td> <td>250</td> <td>Filing a brief in support of an appeal</td> <td>\$</td> </tr> <tr> <td>1,000</td> <td>500</td> <td>Request for oral hearing</td> <td>\$</td> </tr> <tr> <td>130</td> <td>65</td> <td>Terminal Disclaimer Fee</td> <td>\$</td> </tr> <tr> <td>800</td> <td>400</td> <td>Design Issue Fee</td> <td>\$</td> </tr> <tr> <td>790</td> <td>395</td> <td>Request for Continued Examination (RCE)</td> <td>\$</td> </tr> <tr> <td>130</td> <td></td> <td>Request for voluntary publication or republication</td> <td>\$</td> </tr> <tr> <td>500</td> <td>250</td> <td>Petition to Revive - unavoidable</td> <td>\$</td> </tr> <tr> <td>1,500</td> <td>750</td> <td>Petition to Revive - unintentional</td> <td>\$</td> </tr> <tr> <td>200</td> <td></td> <td>Filing for patent term adjustment</td> <td>\$</td> </tr> <tr> <td>400</td> <td></td> <td>Request for reinstatement of term reduced</td> <td>\$</td> </tr> <tr> <td>1,120</td> <td></td> <td>Extension of term of patent</td> <td>\$</td> </tr> <tr> <td colspan="3">OTHER FEE (specify)</td> <td>\$</td> </tr> <tr> <td colspan="3" style="text-align: right;">Subtotal (Additional Fees)</td> <td>\$180</td> </tr> <tr> <td colspan="3" style="text-align: right;">Total Amount of Payment:</td> <td>\$180</td> </tr> </tbody> </table>		Large Entity Fee	Small Entity Fee	Fee Description	Fee paid	50	25	Surcharge - late provisional filing fee or cover sheet	\$	130	65	Surcharge - Late nonprovisional filing fee or oath	\$	180	180	Submission of IDS	\$180	40	40	Recording each patent assignment per property (times number of properties)	\$	120	60	Extension for reply within first month	\$	450	225	Extension for reply within second month	\$	1,020	510	Extension for reply within third month	\$	1,590	795	Extension for reply within fourth month	\$	2,160	1,080	Extension for reply within fifth month	\$	790	395	Submission After Final 1.129	\$	500	250	Notice of Appeal	\$	500	250	Filing a brief in support of an appeal	\$	1,000	500	Request for oral hearing	\$	130	65	Terminal Disclaimer Fee	\$	800	400	Design Issue Fee	\$	790	395	Request for Continued Examination (RCE)	\$	130		Request for voluntary publication or republication	\$	500	250	Petition to Revive - unavoidable	\$	1,500	750	Petition to Revive - unintentional	\$	200		Filing for patent term adjustment	\$	400		Request for reinstatement of term reduced	\$	1,120		Extension of term of patent	\$	OTHER FEE (specify)			\$	Subtotal (Additional Fees)			\$180	Total Amount of Payment:			\$180
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**Petition Fee Under 37 CFR 1.17(f), (g), & (h)**

☐ Petition Fee under 37 CFR 1.17(f)

**Fee \$400**

§ 1.53(e) to accord a filing date.  
 § 1.57(a) to accord a filing date.  
 § 1.182 for decision on a question not provided for.  
 § 1.183 to suspend the rules.  
 § 1.378(e) for reconsideration of decision on petition refusing delayed payment of maintenance fee in expired patent.  
 § 1.174(b) to accord a filing date to an application under § 1.740 for extension of patent term.

☐ Petition Fee under 37 CFR 1.17(g)

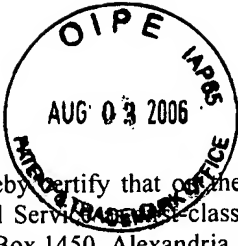
**Fee \$200**

§ 1.12 for access to an assignment record.  
 § 1.14 for access to an application.  
 § 1.47 for filing by other than all inventors or person not the inventor.  
 § 1.59 for expungement of information.  
 § 1.103(a) to suspend action in an application.  
 § 1.136(b) for review of a request for ext. of time when § 1.136(a) not avail.  
 § 1.295 for review of refusal to publish a statutory invention registration.  
 § 1.296 to withdraw a req. for pub. after notice of intent to publish issued.  
 § 1.377 for review of decision refusing to accept a maintenance fee filed prior to expiration of a patent.  
 § 1.550(c) for request for ext. of time in *ex parte* reexam. proceedings.  
 § 1.956 for request for ext. of time in *ex parte* reexam. proceedings.  
 § 5.12 for expedited handling of foreign filing license.  
 § 5.15 for changing the scope of a license.  
 § 1.5.25 for retroactive license.

☐ Petition Fee under 37 CFR 1.17(h)

**Fee \$130**

§ 1.19(g) to request documents in a form other than provided in this part.  
 § 1.84 for accepting color drawings or photographs.  
 § 1.91 for entry of a model or exhibit.  
 § 1.102(d) to make an application special.  
 § 1.138(c) to expressly abandon an application to avoid publication.  
 § 1.313 to withdraw an application from issue.  
 § 1.314 to defer issuance of a patent.



PATENT

I hereby certify that on the date specified below, this correspondence is being deposited with the United States Postal Service in first-class mail in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

July 31, 2006  
Date

Denise Sheridan Phoebe Peggson

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appl. No. : 10/660,844	Confirmation No. : 7877
Applicant : Joseph M. Jeddeloh	
Filed : September 12, 2003	Attorney Docket No.: 501321.01
Art Unit : 2138	Customer No. : 27,076
Examiner : Saqib Javaid Siddiqui	
Title : SYSTEM AND METHOD FOR ON-BOARD TIMING MARGIN TESTING OF MEMORY MODULES	

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §§ 1.56 and 1.97 through 1.98, applicant wishes to make known to the Patent and Trademark Office the references set forth on the attached form PTO-1449. Copies of the cited U.S. patents and U.S. patent application publications will not be submitted herewith in accordance with the waiver by the Office of the requirement under 37 C.F.R. § 1.98(a)(2)(i) for U.S. national patent applications filed after June 30, 2003. Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicant's duty to disclose all information he is aware of which is believed relevant to the examination of the above-identified application, applicant believes that his invention is patentable.

Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 11/433,130, describing and claiming subject matter that is similar to the subject matter of this application, was filed on May 11, 2006. This related application, as well as

any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 11/431,437, describing and claiming subject matter that is similar to the subject matter of this application, was filed on May 9, 2006. This related application, which is a continuation of above-referenced Application No. 10/660,844, filed September 12, 2003, as well as any prior art cited therein, may be material to the examination of this application. The specification, claims, abstract and drawings of this related application as filed are identical to those currently on file in the instant application as filed, therefore a duplicate copy is not submitted herewith.

A fee of \$180 is submitted in accordance with 37 C.F.R. § 1.97(c). The Commissioner is authorized to charge any other fees which may be required, or credit any overpayment to Deposit Account No. 50-1266. A duplicate copy of this sheet is enclosed.

Please acknowledge receipt of this Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

Respectfully submitted,  
DORSEY & WHITNEY LLP



Edward W. Bulchis  
Registration No. 26,847

EWB:dms

Enclosures:

- Postcard
- Check
- Fee Transmittal Sheet (+ copy)
- Copy of Information Disclosure Statement
- Form PTO-1449
- Copy of Related Applications (1)

1420 Fifth Avenue, Suite 3400  
Seattle, WA 98101  
Telephone (206) 903-8800  
Facsimile (206) 903-8820

FORM PTO-1449  
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE\*ATTY. DOCKET NO.  
501321.01APPLICATION NO.  
10/660,844

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT(S)

Joseph M. Jeddeloh

FILING DATE

September 12, 2003

GROUP ART UNIT

2138

## U.S. PATENT DOCUMENTS

*EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	4,953,930	09/04/90	Ramsey et al.	350	96.11	
AB	5,572,722	11/05/96	Vogley	395	555	
AC	5,790,048	08/04/98	Hsieh et al.	340	825.79	
AD	5,793,776	08/11/98	Qureshi et al.	371	22.1	
AE	5,905,858	05/18/99	Jeddeloh	395	185.05	
AF	5,912,852	06/15/99	Lawrence et al.	365	201	
AG	5,914,902	06/22/99	Lawrence et al.	365	201	
AH	5,959,914	09/28/99	Gates et al.	365	201	
AI	6,173,388 B1	01/09/01	Abercrombie et al.	712	22	
AJ	6,205,564 B1	03/20/01	Kim et al.	714	48	
AK	6,351,834 B1	02/26/02	Maekawa et al.	714	718	
AL	6,446,174 B1	09/03/02	Dow	711	154	
AM	6,487,648 B1	11/26/02	Hassoun	711	167	
AN	6,493,803 B1	12/10/02	Pham et al.	711	147	
AO	6,675,117 B2	01/06/04	Adam et al.	702	106	
AP	6,732,203 B2	05/04/04	Kanapathippillai et al.	710	66	
AQ	6,782,465 B1	08/24/04	Schmidt	711	208	
AR	6,832,306 B1	12/14/04	Ganapathy et al.	712	41	
AS	6,972,981 B2	12/06/05	Ruckerbauer et al.	365	63	
AT	2002/0023203 A1	02/21/02	Cofler et al.	712	227	
AU	2002/0066052 A1	05/30/02	Olarig et al.	714	42	
AV	2002/0194558 A1	12/19/02	Wang et al.	714	718	
AW	2002/0199136 A1	12/26/02	Ku	714	30	
AX	2003/0046628 A1	03/06/03	Rankin et al.	714	752	

EXAMINER

DATE CONSIDERED

\* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

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(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
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10/660,844**INFORMATION DISCLOSURE STATEMENT***(Use several sheets if necessary)*

APPLICANT(S)

Joseph M. Jeddeloh

FILING DATE

September 12, 2003

GROUP ART UNIT

2138

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AY	2004/0216018 A1	10/28/04	Cheung	714	724	
	AZ	2004/0237001 A1	11/25/04	Schulz et al.	714	42	
	BA	2005/0021884 A1	01/27/05	Jeddeloh	710	22	
	BB	2006/0075282 A1	04/06/06	Borkenhagen et al.	714	5	
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